EV Innovative Design

EVID C12.2 Ceiling

12”Two-Way Coaxial Ceiling Loudspeaker System

Key Features:

- **High 100 dB Sensitivity**
- **Wide, Smooth 85 Hz - 18 kHz Frequency Response**
- **High 100W Power Handling**
- **4 Pin Quick Disconnect Phoenix Connector**
- **Integrated 3/8”Threaded Rod and Pendant Mount Rigging Points for use in Open Ceiling Installations**
- **64W Transformer with Automatic Saturation Compensation for 70V/100V Operation**
- **Includes Tile Bridge and Mounting Ring for Easy Installation into Tile Ceilings**

General Description:

The Electro-Voice ® EVID C12.2 loudspeaker system is a high efficiency two-way ceiling loudspeaker package for high ceiling applications. The loudspeaker features the EVID 920-8B transducer, a 12" coaxial with high power handling and 100 dB sensitivity. The integrated 64W transformer allows for use in 70V/100V applications, and includes automatic saturation compensation. Transformer tap selection is via a convenient switch on the front baffle. The perforated grille is finished in semi-gloss white powder-coated enamel. The baffle and bezel are constructed from UL 94V-0 rated ABS. The rear enclosure is constructed from heavy gauge steel, and is has a durable black powder-coat that blends in when used in open ceiling applications. The rear enclosure provides an optimum internal volume for extended low-frequency performance. The C12.2 can be suspended by an integrated 3/8" rigging point for use with threaded rod, or it can be mounted using the 3 pendant mount tabs on the rear enclosure. A rear cover, with provisions for a junction box fitting, provides access to a 4-pin phoenix type connector that allows direct connection to the speaker with 12 gauge wire and provides pass through to additional speakers. A tile bridge is included for safe suspension of the C12.2 ceiling systems in a drop ceiling that uses mineral wool, or other fiber-based ceiling tiles.

Technical Specifications:

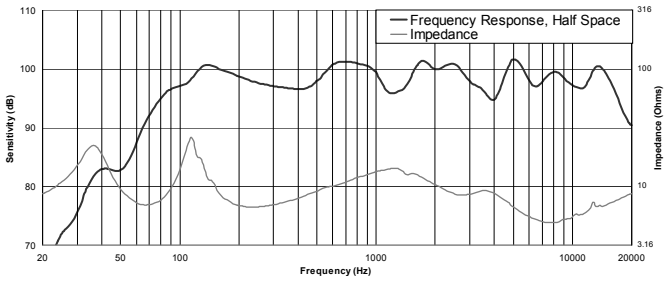
Freq. Response (-3 dB):	85 Hz - 18 kHz
Freq. Range (-10 dB):	65 Hz - 20 kHz
Axial Sensitivity:	100 dB (SPL 1W/1m)
Max Calculated SPL:	126 dB
Power Handling (8 Ohms):	100W RMS
Power Handling (70V):	Up to 64W
Power Handling (100V):	Up to 64W
Impedance:	8 Ohms nominal (transformer bypass)
Crossover Frequency:	2 kHz
Rec. Highpass Frequency:	60 Hz
Transducer:	920-8B, 12 in. (305 mm) High-Efficiency Coaxial Driver
Transformer Taps:	70V: 4, 8, 16, 32 or 64W with ASC 100V: 8, 16, 32 or 64W with ASC Bypass: 8 Ohms Nominal
Connectors:	Phoenix type removable, with screw terminals and "loop-thru", accepts 12 AWG wire
Enclosure Material:	Backcan: Powdercoated Steel Baffle/Bezel: UL 94V-O rated ABS
Grille:	Perforated powder coated steel with safety tether
Mounting System:	Integrated 4-point toggle anchors Integrated 3-point pendant mount Integrated 3/8" threaded rod Additional secondary mount
Support Hardware:	Tile bridge, backing plate support, cutout template, paint shield
Dim (Depth x Dia.):	13.12" x 16.31" (333mm x 414mm)
Cutout Diameter Size:	15.20" (386mm)
Net Weight:	27 lbs (12.3 kg)
Shipping Weight:	32 lbs (14.5 kg)

All Specifications based on Half Space Environment in ceiling.

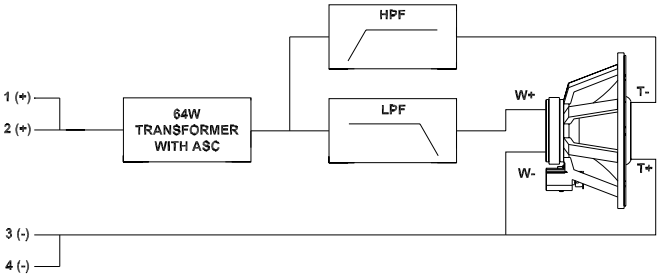
Architects' & Engineers' Specifications:

The EVID C12.2 loudspeaker system shall be comprised of a UL 94V-0 fire rated ABS baffle/bezel assembly, black powder-coated steel rear enclosure, white powder-coated grille with safety tether, 64W transformer with 8 ohm bypass and automatic saturation compensation, and Evid 920-8B 12" coaxial transducer. The loudspeaker shall meet the following criteria: power rating shall be 100 watts of EIA RS-426A pink noise (6 dB crest factor). Frequency response, uniform from 85 Hz to 18 kHz. Pressure sensitivity, 100 dB SPL at 1 meter (3.3 feet) on axis with one watt of pink noise (ref. 20µPa). Minimum impedance, 5.0 ohms. The loudspeaker shall be 333 mm (13.12 in.) deep and 414 mm (16.31 in.) in diameter. Weight shall be 12.3 kg. (27 lb) The coaxial ceiling loudspeaker shall be the Electro-Voice ® model EVID C12.2.

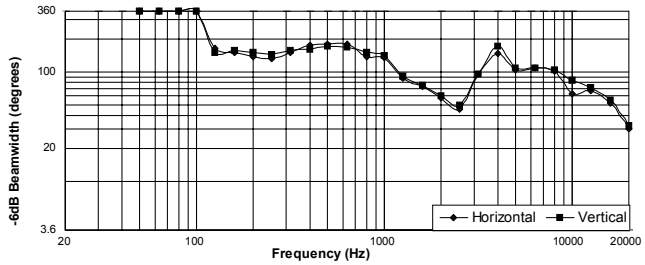
Frequency Response:



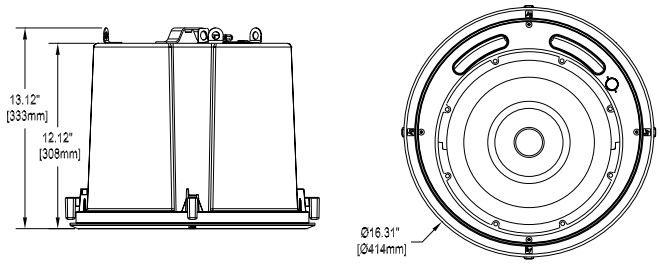
Block Diagram:



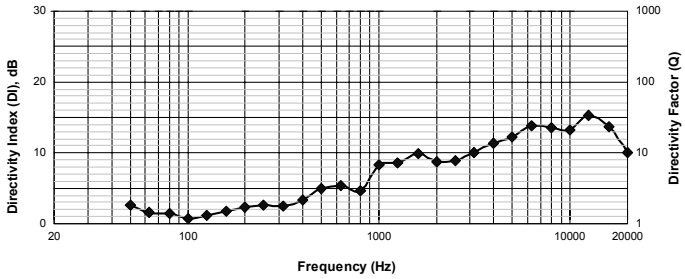
Beamwidth:



Dimension Drawings:



Directivity:



Performance Match:

- CPS-1 Power Amplifier
- CPS-2 Power Amplifier
- CPS-2T Power Amplifier
- MA-1206 Mixer Amplifier
- MA-1212 Mixer Amplifier

EVID C12.2 Part Numbers

• 301920-001	EVID 12.2, 12" Coaxial Speaker System, Consists of CE-12 and EVID 920-8B Assembled, 64W Transformer with Automatic Saturation Comphensation
• 301921-100	CE-12, 12" Enclosure for EVID 920-8B, Includes 64W Transformer with Automatic Saturation Comphensation
• 301922-100	EVID 920-8B, High-Efficiency 12" Coaxial Driver, 100 dB Sensitivity, 200W Power Handling

Electro-Voice®

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U.S.A. and Canada only. For customer orders, contact Customer Service at:
800/392-3497 Fax: 800/955-6831
Europe, Africa, and Middle East only. For customer orders, contact Customer Service at:
+ 49 9421-706 0 Fax: + 49 9421-706 265
Other International locations. For customer orders, contact Customer Service at:
+ 1 952 884-4051 Fax: + 1 952 887-9212
For warranty repair or service information, contact the Service Repair department at:
800/685-2606
For technical assistance, contact Technical Support at: **866/78AUDIO**

Specifications subject to change without notice.